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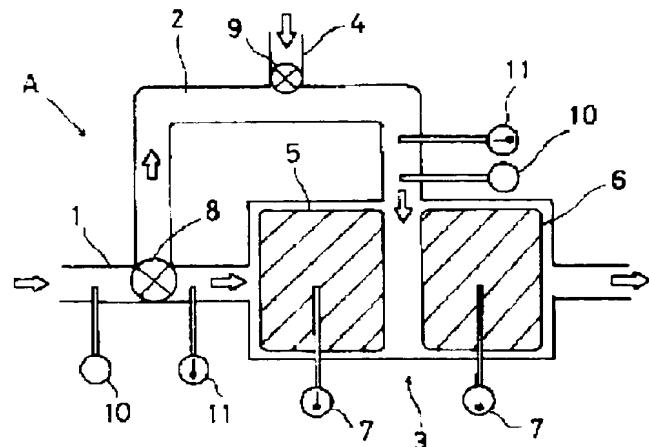
APPLICATION DATE : 29-10-91
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APPLICANT : MAZDA MOTOR CORP;

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TITLE : EXHAUST GAS PURIFIER



ABSTRACT : PURPOSE: To enhance an NOx purifying rate by effectively utilizing the whole of an NOx purifying catalyst.

CONSTITUTION: An NOx purifying catalyst 3 is provided to an exhaust gas passage 1. The NOx purifying catalyst 3 is formed by loading a transition metal on metallosilicate by ion exchange. An HC introducing passage 4 is connected to the intermediate part of the NOx purifying catalyst 3. For example, the bypass passage 2 branched from the exhaust passage 1 on the upstream side is connected to the intermediate part of the NOx purifying catalyst 3 and a temp. sensor 7 is connected to the NOx purifying catalyst 3. An HC control valve 9 controlling the flow rate of HC on the basis of the temp. detected by the temp. sensor 7 is provided to the HC introducing passage 4.

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